

Datasheet for ABIN657086
anti-NFATC4 antibody (C-Term)[Go to Product page](#)

2 Images

Overview

Quantity:	400 µL
Target:	NFATC4
Binding Specificity:	AA 744-773, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NFATC4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Immunogen:	This NFATC4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 744-773 amino acids from the C-terminal region of human NFATC4.
Clone:	RB32710
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	NFATC4
Alternative Name:	NFATC4 (NFATC4 Products)
Background:	The product of this gene is a member of the nuclear factors of activated T cells DNA-binding

Target Details

transcription complex. This complex consists of at least two components: a preexisting cytosolic component that translocates to the nucleus upon T cell receptor (TCR) stimulation and an inducible nuclear component. Other members of this family of nuclear factors of activated T cells also participate in the formation of this complex. The product of this gene plays a role in the inducible expression of cytokine genes in T cells, especially in the induction of the IL-2 and IL-4. Alternatively spliced transcript variants encoding different isoforms have been noted for this gene. [provided by RefSeq].

Molecular Weight: 95449

NCBI Accession: [NP_001129494](#), [NP_001185894](#), [NP_001185895](#), [NP_001185896](#), [NP_004545](#)

UniProt: [Q14934](#)

Pathways: [RTK Signaling](#), [WNT Signaling](#)

Application Details

Application Notes: IF: 1:10~50. WB: 1:1000

Restrictions: For Research Use only

Handling

Format: Liquid

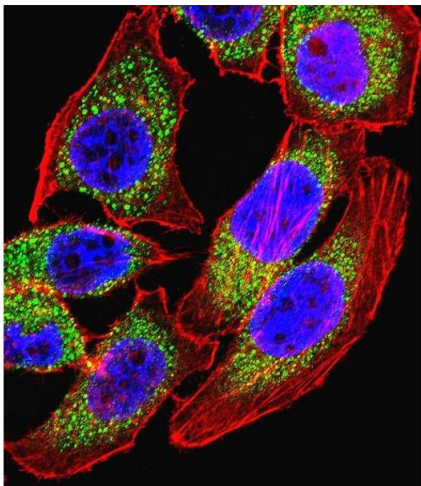
Buffer: Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

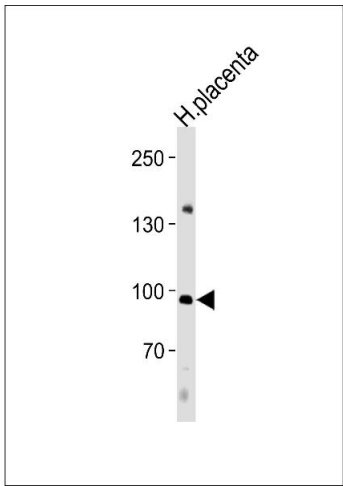
Storage: 4 °C, -20 °C

Expiry Date: 6 months



Immunofluorescence

Image 1. Fluorescent confocal image of cell stained with NFATC4 Antibody (C-term) (ABIN657086 and ABIN2846246). cells were fixed with 4 % PFA (20 min), permeabilized with Triton X-100 (0.1 %, 10 min), then incubated with NFATC4 primary antibody (1:25, 1 h at 37 °C). For secondary antibody, Alexa Fluor® 488 conjugated donkey anti-rabbit antibody (green) was used (1:400, 50 min at 37 °C). Cytoplasmic actin was counterstained with Alexa Fluor® 555 (red) conjugated Phalloidin (7 units/mL, 1 h at 37 °C). Nuclei were counterstained with DAPI (blue) (10 µg/mL, 10 min). NFATC4 immunoreactivity is localized to Cytoplasm significantly.



Western Blotting

Image 2. NFATC4 Antibody (C-term) (ABIN657086 and ABIN2846246) western blot analysis in human placenta tissue lysates (35 µg/lane). This demonstrates the NFATC4 antibody detected the NFATC4 protein (arrow).